

REMARKS

Claims 1 – 12 are pending. The claims have been finally rejected on the basis of U.S. Patent Application Publication No. 2002/0074598A1 to Doyle (“Doyle”), either alone (claims 1 and 3 - 7) or in combination with U.S. Patent No. 4,069,094 to Shaw, et al. (“Shaw”) (claim 2) or with U.S. Patent No. 6,759,717 to Sagarwala, et al. (“Sagarwala”) (claims 8 and 9 – 12). In the final rejection, Examiner stated that Applicants’ attempt to distinguish over the cited references was not persuasive and Examiner reasoned that, “it is readily apparent from [Doyle] that the impurities are scattered between the source and drain region, and therefore, they are laterally spaced from the source and drain.”

Claim 1 has been amended to clarify that the impurity region has a first outer boundary and that this outer boundary is laterally spaced apart from the source region and a second outer boundary that is spaced apart from the drain region. This limitation clearly distinguishes over Doyle, either alone or in combination with the other cited references. Although the impurity region of Doyle could be interpreted as being laterally spaced from the source and drain regions because it extends between them, (as Examiner has asserted), it is clear from Doyle that the outer boundaries of the impurity region of Doyle is not laterally spaced apart from the source and drain regions. In fact, as Doyle shows, and as Applicants have previously pointed out, the outer boundaries of the impurity region of Doyle is in fact aligned with the source and drain regions (Examiner’s attention is respectfully directed to Applicants’ prior Response dated May 16, 2005 and the illustration attached thereto, which shows that the outer boundary of the impurity region 56 of Doyle is aligned with the source regions 58 and drain region 60; a copy of the prior Response is attached hereto for Examiner’s convenience).

Applicants respectfully submit that claim 1 as amended, and by dependence claims 2 – 12 are patentably distinct over the cited references and that entry of this amendment would place the application in condition for allowance. This amendment and remarks could not have been submitted earlier in the prosecution because it was not until

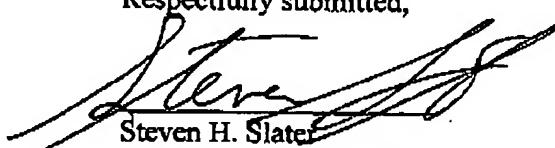
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Applicants received Examiner's above-cited remarks that it was clear to Applicants the manner in which Examiner was interpreting the phrase "laterally spaced." It is respectfully submitted, therefore, that this amendment is timely and should be entered, and that the application is now in condition to be passed to issuance. Examiner is respectfully invited to contact the undersigned to discuss any issues concerning this application.

Respectfully submitted,

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